

JOURNAL OF LOW TEMPERATURE PHYSICS

Volume 58, 1985

The *Journal of Low Temperature Physics* is an international medium for the publication of original papers on fundamental theoretical and experimental research in low temperature physics. Typical subject areas are:

- Properties of Fermi and Bose systems, especially in the condensed phases, and of the hydrogen and helium isotopes;
- Superfluidity and the properties of quantum fluids and solids;
- Properties of isotopic mixtures at low temperatures;
- Superconductivity;
- Phase transitions at low temperatures;
- Thermal properties, thermodynamics, and statistical mechanics of low temperature phenomena;
- Lattice dynamics, phonon phenomena, acoustic, mechanical, and optical properties of substances at low temperatures;
- Electronic properties of metals, semiconductors, and alloys including Fermi surfaces, oscillatory phenomena, magnetoelectrical effects, acoustic properties, and transport phenomena at low temperatures;
- Magnetism at low temperatures including paramagnetic, ferromagnetic, and antiferromagnetic properties and including the behaviour of dilute alloys and nuclear spin systems;
- Surface phenomena at low temperatures.

Occasionally review articles will be included. No papers solely of a technical or applied nature will be accepted.

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Published monthly at Winterstoke Road, Bristol BS3 2NT, England, by Plenum Publishing Corporation, 233 Spring Street, New York, N.Y. 10013. In 1985, Volumes 58, 59, 60, and 61 (6 issues each) will be published. Subscription orders should be addressed to the publisher. *Journal of Low Temperature Physics* is abstracted or indexed in Applied Mechanics Reviews, Chemical Abstracts, Chemical Titles, Current Contents, Energy Research Abstract, Engineering Index, INSPEC—Electrical and Electronics Abstract and Physics Abstracts, Metals Abstracts Index, Referativnyi Zhurnal, Science Citation Index, Science Research Abstracts—Part A, and Solid State Abstracts Journal. © 1985 Plenum Publishing Corporation. *Journal of Low Temperature Physics* participates in the Copyright Clearance Center (CCC) Transactional Reporting Service. The appearance of a code line at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use. However, this consent is given on the condition that the copier pay the flat fee of \$4.50 per copy per article (no additional per-page fees) directly to the Copyright Clearance Center, Inc., 27 Congress Street, Salem, Massachusetts 01970, for all copying not explicitly permitted by Sections 107 or 108 of the U.S. Copyright Law. The CCC is a nonprofit clearinghouse for the payment of photocopying fees by libraries and other users registered with the CCC. Therefore, his consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, or creating new collective works, or for resale, nor to the reprinting of figures, tables, and text excerpts. 0022-2291/85 \$4.50

Subscription rates:

Volumes 58, 59, 60, and 61, 1985 (6 issues each) \$148.75 per volume (outside the U.S., \$166.75 per volume).

Second-class postage paid at Jamaica, N.Y. 11431. Postmaster: Send address changes to *Journal of Low Temperature Physics*, Plenum Publishing Corporation, 233 Spring Street, New York, N.Y. 10013. Air freight and mailing in the USA by Publications Expediting, Inc., 300 Meacham Avenue, Elmont, N.Y. 11003.

Printed in Great Britain.

Journal of Low Temperature Physics is published monthly at Winterstoke Road, Bristol BS3 2NT, England, by Plenum Publishing Corporation, 233 Spring Street, New York, N.Y. 10013. In 1985, volumes 58, 59, 60, and 61 (6 issues each) will be published. Subscription orders should be addressed to the publisher. *Journal of Low Temperature Physics* is abstracted or indexed in Applied Mathematics Reviews, Chemical Abstracts, Chemical Titles, Current Contents, Energy Research Abstracts, Engineering Index, INSPEC—Electrical and Electronics Abstracts and Physics Abstracts, Metals Abstracts Index, Referativnyi Zhurnal, Science Citation Index, Science Research Abstracts—Part A, and Solid State Abstracts Journal. © 1985 Plenum Publishing Corporation. *Journal of Low Temperature Physics* participates in the Copyright Clearance Center (CCC) Transactional Reporting Service. The appearance of a code line at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use. However, this consent is given on the condition that the copier pay the flat fee of \$4.50 per copy per article (no additional per-page fees) directly to the Copyright Clearance Center, Inc., 27 Congress Street, Salem, Massachusetts 01970, for all copying not explicitly permitted by Sections 107 or 108 or the U.S. Copyright Law. The CCC is a nonprofit clearinghouse for the payment of photocopying fees by libraries and other users registered with the CCC. Therefore, this consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale, nor to the reprinting of figures, tables, and text excerpts. 0022-2291/85 \$4.50

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